

ABSTRACT OF THE DISCLOSURE

A method of bus priority arbitration is disclosed. In a structure that comprises a bus and a plurality of peripheral devices, each comprising a master, a request from each of the master is responded to according to a predefined orderly rotation. When a data for one of the peripheral devices is ready, the response to the request of each of the master according to the predefined orderly rotation is stopped, and the highest priority is attributed to the peripheral device which data is ready for using the bus. The data transfer then is firstly performed.